



# VSDB Piece of the Pi

February 25, 2010

Dear Educator (s):

VSDB is calling all **deaf and hard-of-hearing students ages middle – high school and their teachers** to join our first math competition “Piece of the Pi” to be held on Thursday, February 25, 2010. You and your student (s) will experience a mathletic team and individual competition that increases achievement and confidence while at the same time promoting math as fun and engaging. Students will also have the opportunity to make friends from other schools around the state of Virginia.

## Piece of the Pi General Rules:

- All students must provide their own calculator.
  - o Middle School Bracket: Scientific OR graphing calculators will be accepted
  - o High School Bracket: Graphing calculators (TI-83 or similar) required
- Teams will consist of 4 students. Schools may bring their own teams, or if there are not enough students from one school, teams will be made after registration forms are turned in and will be announced upon arrival at VSDB.
- The high school and middle school brackets will have the same format but will be separated by location and content.
  - o Middle school bracket content will include questions related to the 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> grade VA Standards of Learning.
  - o High school bracket content will include questions related to Algebra 1 and Geometry VA Standards of Learning.
- At the end of the day there will be an awards ceremony where all students come together for awards.
- 

**Registration** will be from 8:00-8:50 a.m. on Thursday, February 25th, in the **lobby of Healy Hall**. There is a registration fee of \$10 per student to cover the costs of snacks and prizes which must be included with registration. Lunch and breakfast are on your own or can be purchased from our cafeteria for \$3.50 per meal.

Because our campus is under major construction we are not able to offer lodging on campus. If you need accommodations our staff has contacted two local hotels in the area to set up special room rate of \$52.99 which includes a continental breakfast.

## **Sleep Inn**

Phone: 540-887-6500

**Best Western** Phone: 540-885-1112

**SOCIAL:** For those students **arriving Wednesday evening** VSDB will be hosting a social event. More details will be forthcoming.

Please complete the **registration form** and mail with the **fee** to:

VSDB

c/o Tanya Faidley

PO Box 2069

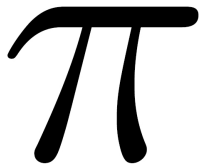
Staunton VA 24402

If you have questions, please contact VSDB at 540-332-9021.

Sincerely,

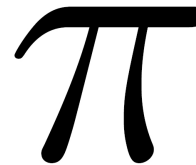
Tanya Faidley

Program Coordinator



## **Piece of the Pi Competition Registration**

Middle School – High School Students  
Virginia School for the Deaf and the Blind – Staunton



**Thursday, February 25, 2010**

Student's Full Name: \_\_\_\_\_

Date of Birth: \_\_\_\_\_ Age: \_\_\_\_\_ Male: \_\_\_\_\_ Female: \_\_\_\_\_

School Name: \_\_\_\_\_ Teacher: \_\_\_\_\_

School Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Teacher Telephone No: (Home) \_\_\_\_\_ Teacher (Work) \_\_\_\_\_ Teacher (Emergency) \_\_\_\_\_

Teacher's Email address: \_\_\_\_\_

Student's Grade Placement for 2009-2010 \_\_\_\_\_ Math courses completed: \_\_\_\_\_

Disability (ies) (List all): \_\_\_\_\_

Mode of Communication (Oral, ASL, Cued Speech, etc.): \_\_\_\_\_

Approximate Reading Level: \_\_\_\_\_

Does the student have any food allergies? \_\_\_\_\_

VSDB meal ticket will be purchased: \_\_\_\_\_ number needed



Please mail registration and \$10 check (payable to VSDB Math Piece of the Pi) to:

VSDB  
c/o Tanya Faidley  
PO Box 2069  
Staunton VA 24402

**VSDB Piece of the Pi Competition Rules**

### **General Rules:**

- All students must provide their own calculator.
  - o Middle School Bracket: Scientific OR graphing calculators will be accepted
  - o High School Bracket: Graphing calculators (TI-83 or similar) required
- Teams will consist of 4 students. Schools may bring their own teams, or if there are not enough students from one school, teams will be made after registration forms are turned in and will be announced upon arrival at VSDB.
- The high school and middle school brackets will have the same format but will be separated by location and content.
  - o Middle school bracket content will include questions related to the 6<sup>th</sup>, 7<sup>th</sup>, and 8<sup>th</sup> grade VA Standards of Learning.
  - o High school bracket content will include questions related to Algebra 1 and Geometry VA Standards of Learning.
- At the end of the day there will be an awards ceremony where all students come together for awards.

### **Individual competition**

- Calculator permitted
- The top scorer will get an award
- The top 8 scores from each bracket will be entered in a head-to-head tournament

One point will be awarded for each correct answer. Incorrect answers will lose ¼ point.

### **Team competition**

1st round - no calculator

- Questions will be timed.
- Teams can discuss solutions.
- When time is up, papers will be collected

2nd round - with calculator

- Questions will be timed
- Teams can discuss solutions
- When time is up, papers will be collected

3rd round-more "problem solving" type questions that require more steps

- Teams will receive a paper with 5 questions to work through in 20 minutes.
- Teams may discuss their solutions or divide the problems any way they choose.
- When time is up, one paper from each team will be collected.

One point will be awarded for each correct answer in rounds 1 and 2.

Two points will be awarded for each correct answer in round 3.

There is no penalty for incorrect answers.

The team points from each round will be totaled and the teams with the 3 highest scores in each bracket will get an award. In case of a tie, there will be a sudden death tie-breaker round for the teams that are tied.

### **Individual tournament**

- The top 8 scorers from the individual competition in each bracket will compete, head-to-head tournament style.
- It will be a best 2 out of 3 to advance to the next round, single elimination tournament.
- No calculators will be allowed for these questions.
- There will be a time limit on each question.

The top three students in the tournament in each bracket will get an award.

### **Project:** Design a math t-shirt

- Each school is encouraged to show their spirit with a math-themed t-shirt. T-shirts can be as creative as you would like.
- Professionally designed t-shirts **will not** count. Be creative and make your own!
- Inexpensive ideas for designing from plain t-shirts include puffy paint, permanent marker, iron-on transfers, adding elastic or layers from other shirts.

The best t-shirt design from each bracket will get an award.